

Author Index

- Agenbag, G.A. and Maree, P.C.J. (Stellenbosch, Republic of South Africa)
Effect of tillage on some soil properties, plant development and yield of spring wheat (*Triticum aestivum* L.) in stony soil 97
- Arora, V.K., Gajri, P.R. and Prihar, S.S. (Ludhiana, India)
Tillage effects on corn in sandy soils in relation to water retentivity, nutrient and water management, and seasonal evaporativity 1
- Bamford, S.J., Parker, C.J. and Carr, M.K.V. (Bedford, UK)
Effects of soil physical conditions on root growth and water use of barley grown in containers 309
- Bilanski, W.K. (Guelph, Ont., Canada) and Kushwaha, R.L. (Saskatoon, Sask., Canada)
Tillage force prediction from terrain characterization with the bevameter 299
- Borresen, T., see Njos, A. and Borresen, T.
- Busscher, W.J., see Sojka, R.E. et al.
- Cameron, K.C., see Cresswell, H.P. et al.
- Campbell, C.A., see Zentner, R.P. et al.
- Carr, M.K.V., see Bamford, S.J. et al.
- Carter, M.R. (Charlottetown, P.E.I., Canada)
Evaluation of shallow tillage for spring cereals on a fine sandy loam. 1. Growth and yield components, N accumulation and tillage economics 23
Evaluation of shallow tillage for spring cereals in a fine sandy loam. 2. Soil physical, chemical and biological properties 37
- Cresswell, H.P., Painter, D.J. and Cameron, K.C. (Canterbury, New Zealand)
Tillage and water content effects on surface soil physical properties 67
- Datiri, B.C. and Lowery, B. (Madison, WI, USA)
Tillage effects on rain-generated wetting front migration through a Griswold silt loam soil 243
Effects of conservation tillage on hydraulic properties of a Griswold silt loam soil 257
- Dias, L.S. (Evora, Portugal)
Allelopathic activity of decomposing straw of wheat and oat and associated soil on some crop species 113
- Dyck, F.B., see Zentner, R.P. et al.
- Gajri, P.R., see Arora, V.K. et al.
- Gee-Clough, D., see Salokhe, V.M. et al.
- Hall, J.K., see Lazowski, E.J. and Hall, J.K.
- Heinonen, R. (Helsinki, Finland)
Plowing and non-plowing under Nordic conditions 185
- Hyde, G.M., see Tessier, S. et al.
- Jensen, H.E., see Kayombo, B. et al.
- Karlen, D.L., see Sojka, R.E. et al.
- Kayombo, B. (Morogoro, Tanzania), Lal, R. (Columbus, OH, USA), Mrema, G.C. (Gaborone, Botswana) and Jensen, H.E. (Copenhagen, Denmark)
Characterizing compaction effects on soil properties and crop growth in southern Nigeria 325

Kouwenhoven, J.K., Wevers, J.D.A. and Post, B.J. (Wageningen, Netherlands)	
Possibilities of mechanical post-emergence weed control in sugar beet	85
Kuipers, H. (Wageningen, Netherlands)	
Agronomic aspects of ploughing and non-ploughing	167
Kushwaha, R.L., <i>see</i> Bilanski, W.K. and Kushwaha, R.L.	
Lal, R., <i>see</i> Kayombo, B. et al.	
Lavee, H., <i>see</i> Poesen, J.W.A. and Lavee, H.	
Lazowski, E.J. and Hall, J.K. (University Park, PA, USA)	
Triazine herbicide residues in corn production systems: effects of tillage, application rate and liming on persistence	133
Lowery, B., <i>see</i> Datiri, B.C. and Lowery, B.	
Main, D.C., <i>see</i> Owen, G.T. et al.	
Maree, P.C.J., <i>see</i> Agenbag, G.A. and Maree, P.C.J.	
Nrema, G.C., <i>see</i> Kayombo, B. et al.	
Njøs, A. (Ås-NLH, Norway)	
Ploughing vs. non-ploughing	155
Conclusions of the soil cultivation conference 1989 at Klepp, Norway	191
Njøs, A. and Børresen, T. (Ås-NLH, Norway)	
Long-term experiment with straw management, stubble cultivation, autumn and spring ploughing on a clay soil in S.E. Norway	53
Owen, G.T. (Ottawa, Ont., Canada), Richards, J.E. (Fredericton, N.B., Canada) and Main, D.C. (Charlottetown, P.E.I., Canada)	
A laboratory study of the residual influence of some amendments on the reconsolidation of disturbed Salisbury silt loam	197
Painter, D.J., <i>see</i> Cresswell, H.P. et al.	
Papendick, R.I., <i>see</i> Tessier, S. et al.	
Parker, C.J., <i>see</i> Bamford, S.J. et al.	
Peru, M., <i>see</i> Zentner, R.P. et al.	
Poesen, J.W.A. (Leuven, Belgium) and Lavee, H. (Ramat Gan, Israel)	
Effects of size and incorporation of synthetic mulch on runoff and sediment yield from interrills in a laboratory study with simulated rainfall	209
Post, B.J., <i>see</i> Kouwenhoven, J.K. et al.	
Prihar, S.S., <i>see</i> Arora, V.K. et al.	
Richards, J.E., <i>see</i> Owen, G.T. et al.	
Salokhe, V.M., Gee-Clough, D. and Tamtomo, P. (Bangkok, Thailand)	
Wear testing of enamel coated rings	121
Salokhe, V.M., <i>see</i> Singh, N. et al.	
Saroj, K. and Thakur, R.C. (Himachal Pradesh, India)	
Effect of puddling (wet tillage) on rice yield and physicochemical properties of soil	147
Saxton, K.E., <i>see</i> Tessier, S. et al.	
Singh, N., Singh, G. and Salokhe, V.M. (Bangkok, Thailand)	
Cyclic variation in moldboard plow draft and its effect on implement control systems ..	273
Sojka, R.E. (Kimberly, ID, USA), Karlen, D.L. (Ames, IA, USA) and Busscher, W.J. (Florence, SC, USA)	
A conservation tillage research update from the Coastal Plain Soil and Water Conservation Research Center of South Carolina: A review of previous research	361
Spoor, G. (Bedford, UK)	
Ploughing and non-ploughing techniques	177
Stone, J.A. (Harrow, Ont., Canada)	
Core sampling technique for bulk density and porosity determination on a clay loam soil	377

Sundsbo, S. (Oslo, Norway)	
Soil cultivation in relation to "our common future" and sustainable global development	159
Tamtomo, P., <i>see</i> Salokhe, V.M. et al.	
Tessier, S., <i>see</i> Zentner, R.P. et al.	
Tessier, S. (Quebec, Que., Canada), Saxton, K.E., Papendick, R.I. and Hyde, G.M. (Pullman, WA, USA)	
Zero-tillage furrow opener effects on seed environment and wheat emergence	347
Thakur, R.C., <i>see</i> Saroch, K. and Thakur, R.C.	
Wevers, J.D.A., <i>see</i> Kouwenhoven, J.K. et al.	
Wolkowski, R.P. (Madison, WI, USA)	
Corn growth response to K fertilization on three compacted soils	287
Zentner, R.P., Tessier, S., Peru, M., Dyck, F.B. and Campbell, C.A. (Swift Current, Sask., Canada)	
Economics of tillage systems for spring wheat production in southwestern Saskatchewan (Canada)	225